

DECLASSIFIED

# Old Brazos Forge

TXD 048901235

Brenham, Washington County, Texas

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conferred  
with  
Bret  
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12/4/13*

**TABLE - 1**  
Background well information  
Concentrations and (Detection Limits) ug/L

6TFADW 09-07/ GW-6 Add Back- ground	6TFADW 09-16/ GW-15 Add Back- ground	6TFADW 09-02/ GW-2 Back- ground	6TFADW 09-03/ GW-3 Back- ground	6TFADW 09-01/ GW-1 Back- ground		
Closest well Patrick Zientek	Closest well Patrick Zientek	Preston North- rup	Randy Gaddy	Country Place North- west	Para- meters	Highest reported Level
ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	Chromi- um	(10)
ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	Copper	(20)
ND (5)	ND (5)	ND (5)	11 (5)	18 (5)	Manga- nese	18
ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	Nickel	(20)
ND (20)	ND (20)	100 (20)	48 (20)	ND (20)	Zinc	100

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<p align="center"><b>TABLE - 2</b>  Drinking water well information,  wells allocated by distance from site  Concentrations and (Detection Limits) ug/L</p>						
6TFADW 09-06/ GW-05	6TFADW 09-11/ GW-10	6TFADW 09-12/ GW-11	6TFADW 09-14/ GW-13	6TFADW 09-15/ GW-14		
Closest well (b) (6) CLOSED WELL 0 - 1/4	(b) (6)				Para- meters	Highest reported Background Level
122 (10)	ND (10)	ND (10)	ND (10)	25 (10)	Chromi- um	(10)
ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	Copper	(20)
ND (5)	ND (5)	ND (5)	22 (5)	ND (5)	Manga- nese	18
ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	Nickel	(20)
342 (20)	42 (20)	46 (20)	650 (20)	80 (20)	Zinc	100

Note: GW-04 is a duplicate of GW-05 with reported Chromium concentrations of 110, Manganese not detected (ND), Nickel not detected (ND) and Zinc at 347.

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**TABLE - 2 (cont.)**  
Drinking water well information,  
wells allocated by distance from site  
Concentrations and (Detection Limits) ug/L

6TFADW 09-17/ GW-16	6TFADW 09-08/ GW-07	6TFADW 09-09/ GW-08	6TFADW 09-10/ GW-09	6TFADW 09-13/ GW-12		
(b) (6)					Para- meters	Highest reported Background Level
ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	Chromi- um	(10)
ND (20)	ND (20)	30 (20)	ND (20)	ND (20)	Copper	(20)
19 (5)	20 (5)	ND (5)	16 (5)	46 (5)	Manga- nese	18
ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	Nickel	(20)
212 (20)	838 (20)	ND (20)	550 (20)	312 (20)	Zinc	100

A release of chromium has been documented in one drinking water well above designated Maximum Contaminant Levels (MCLs) for drinking water. This well is considered subject to Level I. The well owners are no longer using this well as a drinking water source.

Contaminants associated with the former Old Brazos Forge Facility include chromium, copper, manganese and nickel. These contaminants have been reported present in on-site monitoring wells. Another contaminant of concern is zinc. Zinc has been reported in four additional drinking water wells, at concentrations 3, 5, 6 and 8 times above designated background levels. These private wells are considered subject to Level II contamination and the reported concentrations are below MCLs. The low toxicity of zinc, as defined in SCDM, is 10, there are no MCLs defined values and the Reference Dose is 11 mg/L. The reported concentrations were as high as 838 ug/L.

**Scoring highlights:**

One close Level I well will contribute  $2.2 \times 10 = 22$  target points.

Four Level II wells will contribute  $4 \times 2.2 \times 1 = 8.8$  target points.

A nearest well at level I will contribute 50 target points.

The remaining wells, assuming potential contamination, as reported by the State, represent 223 target points.

Five additional points are assigned to the resources factor.

Pathway score  $550 \times 32 \times 261 / 82,500 = 55.68$

Assuming the remaining pathways are correct, overall score falls to 28.3049

On 10/2/96, TNRC informed that the closed wells served 4 persons, not the county average of 2.2, this will change the pathway score to  $550 \times 32 \times (40 + 8.8 + 223 + 50 + 5) / 82,500 = 69.72$ , for a total site score of 35.23

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